

Amendments to the claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

Claim 1. (Currently Amended) An amorphous shape memory polymeric network comprising a crosslinked ABA triblock dimethacrylate macromonomer produced by a process comprising the steps of:

1) melting wherein the ABA triblock dimethacrylate macromonomer and
2) crosslinking the ABA triblock dimethacrylate macromonomer,
wherein the ABA triblock dimethacrylate macromonomer comprises blocks is
derived from polyesters and polyethers, ~~and wherein A blocks of the ABA~~
~~triblock have a molecular weight of 1500 g/mol to 3200 g/mol.~~

Claim 2. (Currently Amended) The amorphous shape memory polymeric network according to claim 1, wherein the polyester is a poly (rac-lactide).

Claim 3. (Currently Amended) The amorphous shape memory polymeric network according to claim 1, wherein the polyester is ~~the an~~ A block.

Claim 4. (Currently Amended) The amorphous shape memory polymeric network according to claim 1, wherein the polyether is a polypropylene oxide.

Claim 5. (Currently Amended) The amorphous shape memory polymeric network according to claim 1, wherein the polyether is ~~the a~~ B block.

Claim 6. (Currently Amended) A method for ~~preparing of producing an the~~ amorphous shape memory polymeric network of ~~claim 1~~, comprising:
obtaining an ABA triblock dimethacrylate macromonomer,
melting the ABA triblock dimethacrylate macromonomer, and
irradiating a melt comprising an ABA triblock dimethacrylate macromonomer with UV light in order to induce
crosslinking of the ABA triblock dimethacrylate macromonomer to produce the
amorphous shape memory polymeric network.

Claims 7 - 10. (Canceled).

Claim 11. (Currently Amended) ~~An The~~ amorphous shape memory polymeric network of ~~Claim 1~~, comprising a crosslinked ABA triblock dimethacrylate macromonomer, wherein the macromonomer comprises blocks derived from polyesters and polyethers, and wherein the amorphous shape memory polymeric network has a recovery value of above approximately 90%.

Claim 12. (Currently Amended) ~~An The~~ amorphous shape memory polymeric network of ~~Claim 1~~, comprising a crosslinked ABA triblock dimethacrylate macromonomer, wherein the macromonomer comprises blocks derived from polyesters and polyethers, and wherein the amorphous network is completely amorphous.

Claim 13. (New) The method of claim 6, wherein the ABA triblock dimethacrylate macromonomer is derived from polyester and polyether blocks.

Claim 14. (New) The method of claim 6, wherein the polyester is an A block.

Claim 15. (New) The method of claim 6, wherein the polyether is a polypropylene oxide.

Claim 16. (New) The method of claim 6, wherein the polyether is a B block.

Claim 17. (New) A device comprising:
the crosslinked ABA triblock dimethacrylate macromonomer of claim 1,
wherein the device has a temporary first shape and a permanent second shape; and
wherein the device changes from the temporary first shape to the permanent second shape
upon exposure to a stimulus.

Claim 18. (New) The device of claim 17, wherein the stimulus is a change in temperature.